# Status of Interfaces

IMACS CMT-San Diego, CA

Nov 5-7, 2002

Chris Claxton/TRW

# Current Interfaces

| Service | System | Transaction | Balance | Production | NIIN & Part Nbr/CAGE |
|---|---|---|---|---|---|
| **Legacy Systems** | | | | | |
| Air Force | D035K | X | X | | |
| | G004L | | | X | |
| Army | CCSS | X | | | |
| | SDS | N/A | N/A | X | |
| Marines | SCS | X | | | |
| Navy | ILSMIS | N/A | N/A | N/A | |
| | UICP | X | | | |
| | WCS | | | N/A | |
| **Non-Legacy Interface** | | | | | |
| All | FLIS | | | | X |
| All | DSS | | X | | |

# Updated Status of Interfaces

- CCSS
- DSS – Balance
- DSS – Transaction
- LMP
- MRP2/NDMS
- SDS

# CCSS

Ongoing

# CCSS

- Data coming in
- Will be replaced by LMP-CCS

# DLA DSS Balance

New Pre-Processing Filtering Innovations Implemented

# DSS - Balance

- Implemented 16 August 2002
- New filtering pre-process developed to strip out intra-service and other unnecessary data before it enters IMACS regular processing
  - Avoids numerous unnecessary mismatches
  - Use balance data from nine DLA co-located sites.
    - For AF co-located sites, use D035K Balance data instead of DLA Balance data (due to Pseudo-RIC)

# DSS Balance Co-Located Sites

- AIRCPT
- AIRJAX
- AIRNIS
- OO-ALC-SOR**
- OC-ALC-SOR**
- WR-ALC-SOR**
- MCLB-A-SOR
- MCLB-B-SOR
- TYAD
- ANAD
- CCAD
- RRAD

(** Sites to use D035K Balance data instead of DSS balance data )

# DSS - Balance Pre-Process

- Pre-Process converts DLA DODAAC [in record] to a DODAAC in IMACS associated with the Org ID of the co-located sending site
  - Based on expected NIIN/DODAAC [Repair Activity] at co-located sending site

# DSS - Balance Pre-Process (Cont.)

- Compares Service of sending site with Ownership RIC of NSN in record.
  - Intra-Service – If the DODAAC Service (the Service associated with the co-located DLA sending source) and the Service associated with the repair RIC are the same, record is considered ‘Intra-Service’ and is assigned error code of ‘I’.
    - For the Navy, a DODAAC of ‘N65923’ and a RIC = ‘PTZ’ is also considered Intra-Service.

# DSS - Balance Pre-Process (Cont.)

- Pseudo RIC – If a record has a RIC of: 5NN, 1AA, or 4MM, assign record error code of ‘P’.
  - Applies to AF co-located sites only. Will use D035K Balance data instead.
- ‘S’ records – If a record has a RIC that begins with the letter ‘S’ (i.e., DLA RIC), assign record error code of ‘S’.
- NIIN/DODAAC - If the record has a NIIN/DODAAC combination that is not an expected NIIN/Repair Activity from that sending site, assign record error code of ‘N’.

# DSS - Balance Pre-Process (Cont.)

- Do not use records having error codes of ‘I’, ‘P’, ‘S’, or ‘N’.
- Leaves only ‘G’ [good] records to process through normal mismatch processing cycle.
  - Strips out data that would mismatch unnecessarily.
  - New pre-process means most DLA Balance ‘G’ records will post to DMISA/TAB/Line Items at that co-located site.

# DLA DSS Transaction

Transaction Data

# DSS – Transaction Data

- On Hold until more Transaction Rule Relaxations are in place – IMACS V5.3
- Will include ZWT transactions
- Data to be from 12 DLA co-located sites

# DSS Transaction Co-Located Sites

- AIRCPT
- AIRJAX
- AIRNIS
- OO-ALC-SOR
- OC-ALC-SOR
- WR-ALC-SOR
- MCLB-A-SOR
- MCLB-B-SOR
- TYAD
- ANAD
- CCAD
- RRAD

# LMP

Status

# LMP Status

- Discussions at LMP Workshop in April 2002 on potential for sending DMISA, Exhibit, TAB, Line item, and Control Number data
- Supporting LMP CSC POC requests for control number suffix conceptual data
  - Aim is to send Control Number suffix data per IMACS ICD needs
- LMP to replace:
  - SDS
  - CCSS

# LMP Status (Cont.)

- 10/31/02 – Received notice from LMP- ready to send TRW test files to review
  - Possibly as soon as week of Nov 4-8
  - TRW will review after return from CMT
- Potential LMP implementation - 2003

# MRP II/NDMS

Status

# MRPII/NDMS

- Letter sent from IMACS PMO to HQ-AFMC to request NAVAIR consider higher priority on developing MRPII-IMACS interface
- Interim potential
  - July 2002 – TRW was advised that AIRNIS/North Island was developing a draft file of Production data
  - Sep – Oct 2002 - TRW received and evaluated files; sent comments/questions to AIRNIS POC
- Unknown on other sites (AIRJAX & AIRCPT)

# SDS

Process Changes

# SDS Process Changes

- 14 October 2002 - Implemented new SDS  processing rules to handle control number suffix data
- Uploaded new TYAD control numbers to IMACS as part of processing

# Asset Visibility
# SDS - Army

- Overview
- SDS Conversion Results
- Reprocessing Results
- SDS Mismatch Analysis
- Production Posting (Exhibit X-B data)
- Benefits

# Overview

- Cleanup
  - Delete records contain all zero quantities
- Conversion
  - FMS Ownership code ‘7’ invalid in IMACS
    - Converted to appropriate owner code per line item
  - 2nd Position Suffix a letter regardless of whether NSN is minor or major
    - Converted per line item NSN was found
  - 2nd Position followed a CY instead of FY

# Overview

- SDS Reprocessing
  - All previous SDS mismatches are processed again by IMACS
- New cleanup and conversion programs are now part of the nightly processing for SDS
- Cleanup, Conversions and Reprocessing completed weekend of October 12-13, 2002

# SDS Conversion Results

- Zero Quantities
  - Deleted 6,180 records
- Ownership Code ‘7’ Conversion
  - Converted 3,290 records to a valid Ownership codes

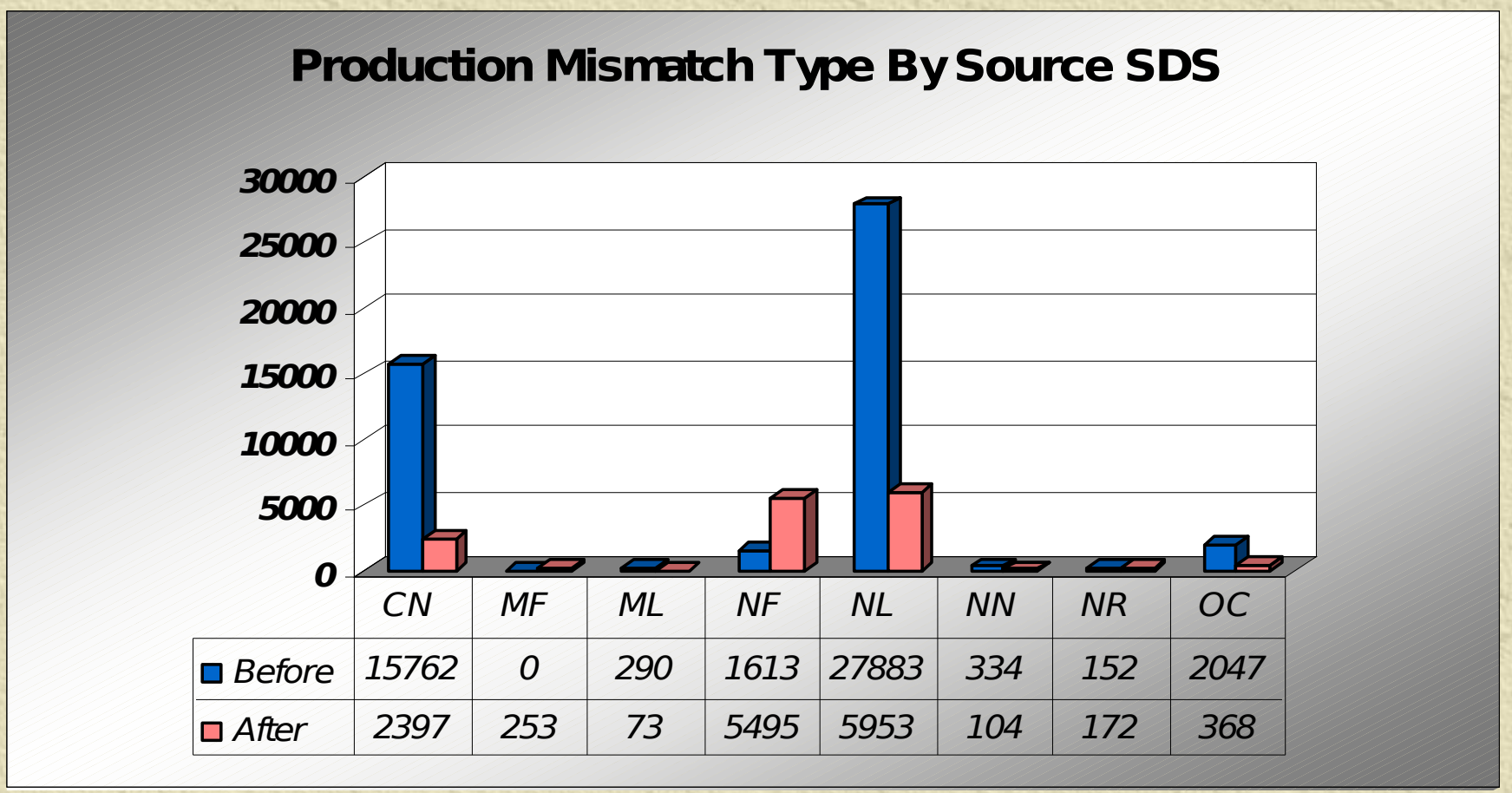
# Reprocessing Results

- Reprocessing Overview
  - Reprocesses all existing mismatch records previously processed by IMACS
  - General requirements in posting data
    - Line Item Requirements
    - Control Numbers Loaded
    - Funding allocated
    - DMISA in Open/Once Open Status

# Reprocessing Results

- After the 2nd position conversion, approximately 50% of records are automatically deleted due to duplication
- Mismatch Metrics
  - Before Reprocessing - 39,746 records
  - After Reprocessing - 14,815 records

# Reprocessing Results




| | CN | MF | ML | NF | NL | NN | NR | OC |
|---|---|---|---|---|---|---|---|---|
| Before | 15762 | 0 | 290 | 1613 | 27883 | 334 | 152 | 2047 |
| After | 2397 | 253 | 73 | 5495 | 5953 | 104 | 172 | 368 |

# SDS Mismatch Analysis

- Mismatch Reduction Explanation
  - CN Control Numbers loaded on 10/12/02
  - NL 2nd position conversion and Ctl Nbr input
  - NN Line Item updates/additions
  - ML User Input of required data
  - OC FMS Ownership code ‘7’ conversion

# SDS Mismatch Analysis

- Mismatch Increase Explanations
  - NF  Line Item with Ctl Nbr was found, but no funding exists
    - For example, CECOM 9930 ANKE 2002 does not have any funding for Qtr 4, therefore, mismatch to NF for records that qualify as Qtr 4 requirements
    - Records that were previously an NL change to NF
    - Note:  Issue was found that will fix some of these NF mismatches when we reprocess records again on 11/11/02

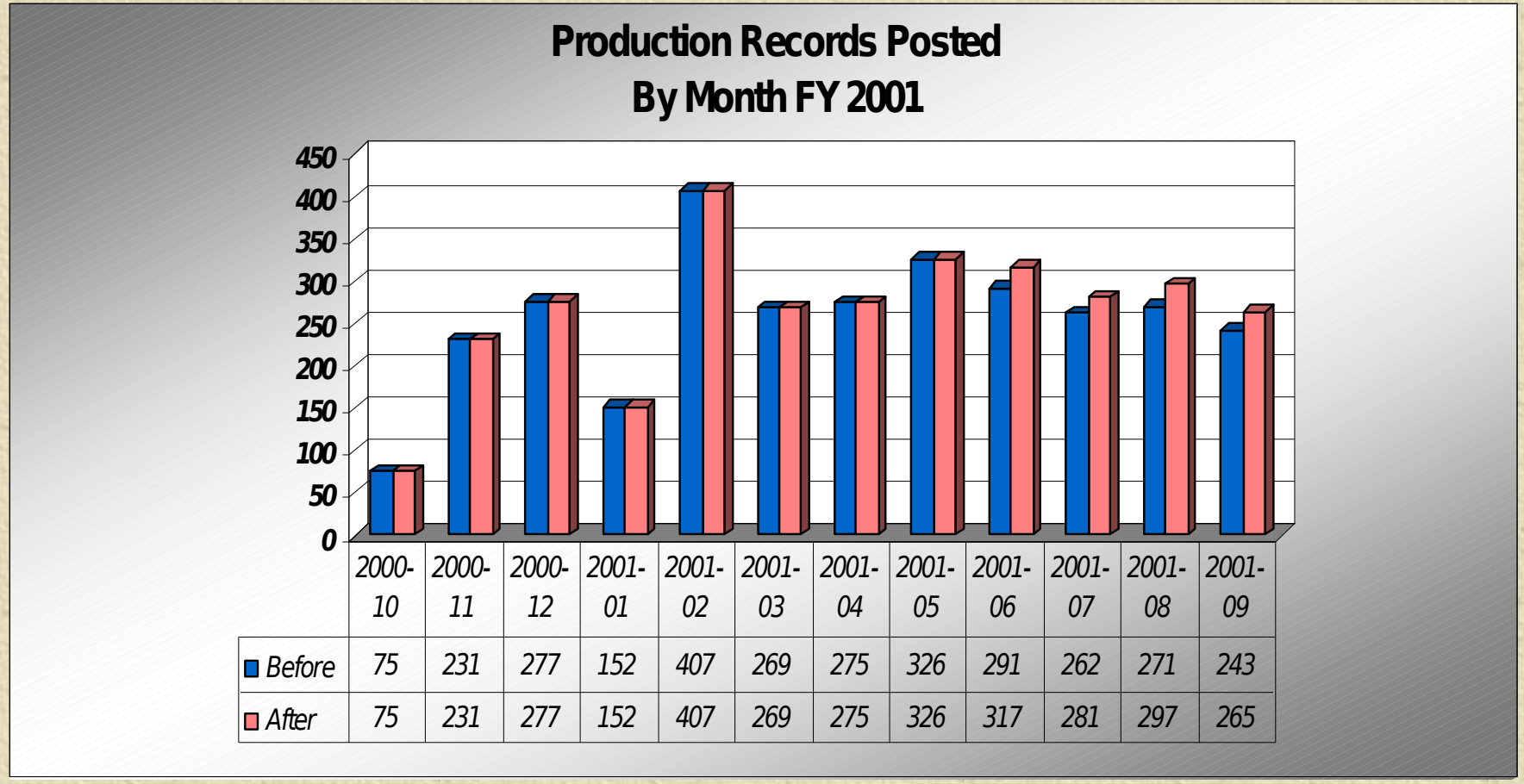
# SDS Mismatch Analysis

- Mismatch Increase Explanation (cont.)
  - MF  Line Item has two funding documents and the logic not able to determine which funding document to use to post the record
  - Many records did not post due to not meeting all the existing business rule requirements (funding, control numbers, requirements, etc.)

# Production Posting (Exhibit X-B Data)

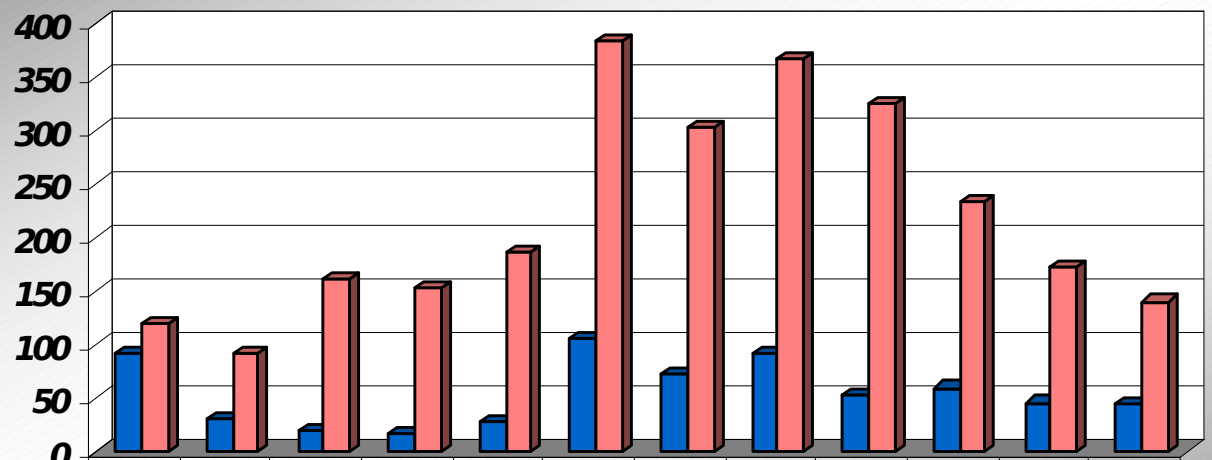
- Production Posting
  - 1,966 total records posted
  - Control Numbers
    - 315 additional control numbers posted
  - Funding Documents
    - 21 additional funding documents

# Production Posting (Exhibit X-B Data)



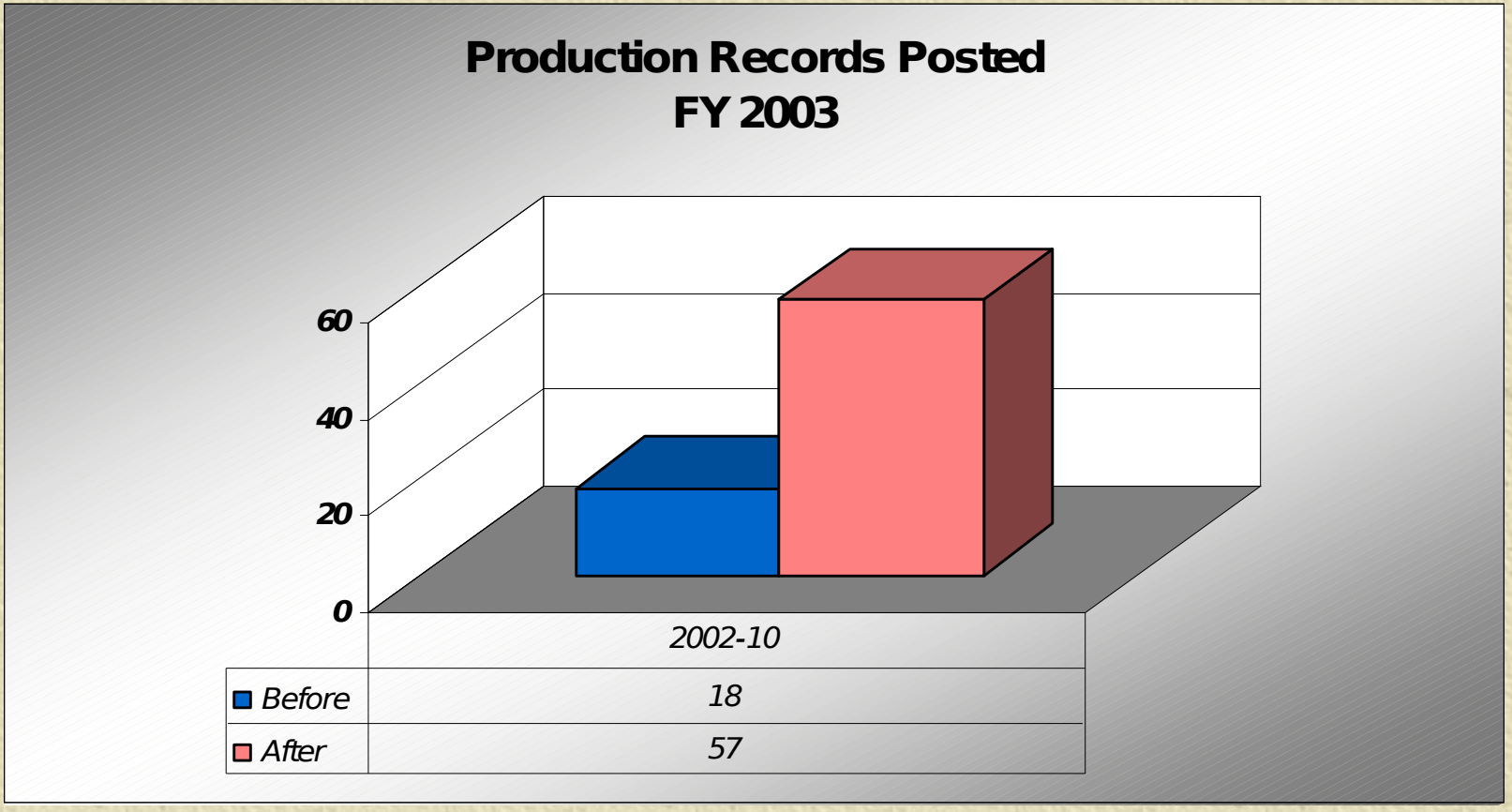

| | 2000-10 | 2000-11 | 2000-12 | 2001-01 | 2001-02 | 2001-03 | 2001-04 | 2001-05 | 2001-06 | 2001-07 | 2001-08 | 2001-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Before | 75 | 231 | 277 | 152 | 407 | 269 | 275 | 326 | 291 | 262 | 271 | 243 |
| After | 75 | 231 | 277 | 152 | 407 | 269 | 275 | 326 | 317 | 281 | 297 | 265 |

# Production Posting (Exhibit X-B Data)




| | 2001-10 | 2001-11 | 2001-12 | 2002-01 | 2002-02 | 2002-03 | 2002-04 | 2002-05 | 2002-06 | 2002-07 | 2002-08 | 2002-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Before | 92 | 29 | 18 | 16 | 26 | 106 | 71 | 91 | 52 | 59 | 45 | 44 |
| After | 120 | 92 | 160 | 152 | 187 | 385 | 303 | 368 | 325 | 234 | 173 | 140 |

# Production Posting (Exhibit X-B Data)

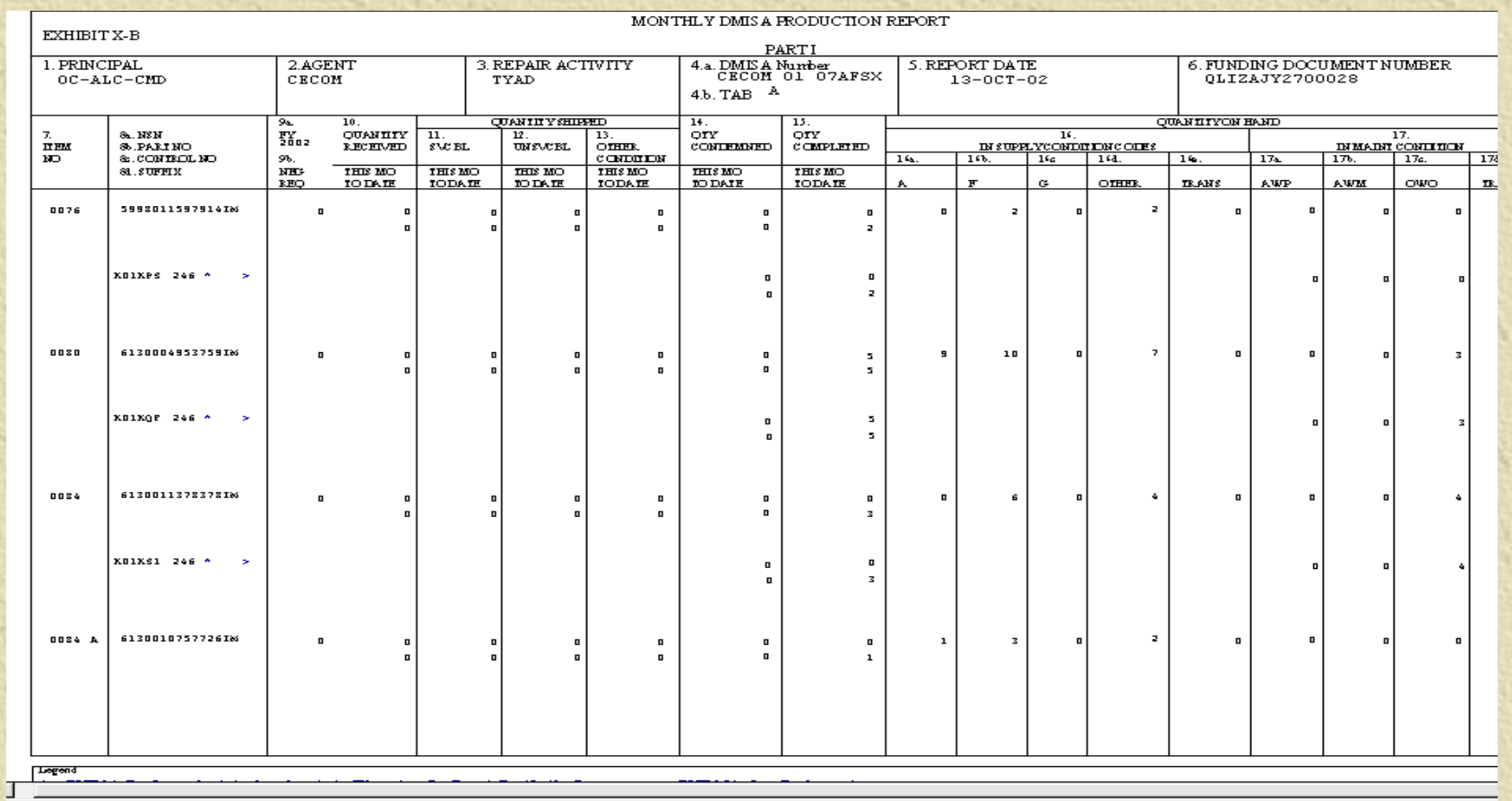


# Production Posting (Exhibit X-B Data)

- DMISAs w/ Posted Record Count
  - CECOM 0107 AFSX FY 2002 1610
  - CECOM 9930 ANKE FY 2002 160

  - CECOM 9802 AFSU FY 2001 29
  - CECOM 9807 AFTG FY 2001 99
  - CECOM 9930 ANKE FY 2001 68

# Production Posting (Exhibit X-B Data)



MONTHLY DMISA PRODUCTION REPORT

EXHIBIT X-B

PART I

| 1. PRINCIPAL | 2. AGENT | 3. REPAIR ACTIVITY | 4.a. DMISA Number / 4.b. TAB | 5. REPORT DATE | 6. FUNDING DOCUMENT NUMBER |
|---|---|---|---|---|---|
| OC-ALC-CMD | CECOM | TYAD | CECOM 01 07AFSX / A | 13-OCT-02 | QLIZAJY2700028 |

| 7. ITEM NO | 8. NSN / 8. PART NO / 8. CONTROL NO / 8. SUFFIX | 9a. FY 2002 / 9b. NHS REQ | 10. QUANTITY RECEIVED THIS MO | 10. QUANTITY RECEIVED TO DATE | QUANTITY SHIPPED 11. SVCBL THIS MO | 11. SVCBL TO DATE | 12. UNSVCBL THIS MO | 12. UNSVCBL TO DATE | 13. OTHER CONDITION THIS MO | 13. OTHER CONDITION TO DATE | 14. QTY CONDEMNED THIS MO | 14. QTY CONDEMNED TO DATE | 15. QTY COMPLETED THIS MO | 15. QTY COMPLETED TO DATE | QUANTITY ON HAND 16. IN SUPPLY CONDITION CODES 16a. A | 16b. F | 16c. G | 16d. OTHER | 16e. TRANS | 17. IN MAINT CONDITION 17a. AWP | 17b. AWM | 17c. OWO | 17d. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0076 | 5998011597914IM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | | | | | | | | | |
| | X01XPS 246 ^ > | | | | | | | | | | 0 | 0 | 0 | 0 | | | | | | 0 | 0 | 0 | |
| | | | | | | | | | | | 0 | 0 | 0 | 2 | | | | | | | | | |
| 0080 | 6130004953759IM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 9 | 10 | 0 | 7 | 0 | 0 | 0 | 0 | 3 |
| | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | | | | | | | | | |
| | X01XQF 246 ^ > | | | | | | | | | | 0 | 0 | 0 | 5 | | | | | | 0 | 0 | 3 | |
| | | | | | | | | | | | 0 | 0 | 0 | 5 | | | | | | | | | |
| 0084 | 6130011378378IM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 4 | 0 | 0 | 0 | 0 | 4 |
| | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | | | | | | | | | |
| | X01XS1 246 ^ > | | | | | | | | | | 0 | 0 | 0 | 0 | | | | | | 0 | 0 | 4 | |
| | | | | | | | | | | | 0 | 0 | 0 | 3 | | | | | | | | | |
| 0084 A | 6130010757726IM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | | | | |

Legend

# Benefits

- Increased Asset Visibility to Production
  - Exhibit X-B Production Report benefits Army Agents and Air Force and Navy Principals
  - View Production via the Production by DMISA/NIIN window in IMACS
  - Postings to many Exhibit II line items
  - FMS items processed

# SUMMARY…

Asset Visibility

# SUMMARY…
## Making progress in Asset Visibility

- Implemented to date…
  - DSS Balance data – 16 Aug 2002
  - SDS Production data process changes – 14 Oct 2002
- To be implemented in V5.2…
  - Shipping Transactions - Nov 2002
    - Improved business rules for MY’s
    - Generated shipping instructions

# Status of Interfaces

(end)